

US 20140051955A1

(19) United States

(12) Patent Application Publication

(10) **Pub. No.: US 2014/0051955 A1**(43) **Pub. Date:** Feb. 20, 2014

(54) **DETECTING DEVICE**

(71) Applicant: Industrial Technology Research Institute, Hsinchu (TW)

(72) Inventors: **Kuo-Tung Tiao**, Hsinchu County (TW);

Jyh-Chern Chen, New Taipei City (TW); Yu-Tang Li, New Taipei City (TW); Chang-Sheng Chu, Hsinchu City (TW); Shuang-Chao Chung, Hsinchu County (TW); Chih-Hsun Fan, Hsinchu City (TW); Ming-Chia Li, Taichung

City (TW)

(73) Assignee: Industrial Technology Research

Institute, Hsinchu (TW)

(21) Appl. No.: 13/970,613

(22) Filed: Aug. 20, 2013

Related U.S. Application Data

(60) Provisional application No. 61/684,819, filed on Aug. 20, 2012.

(30) Foreign Application Priority Data

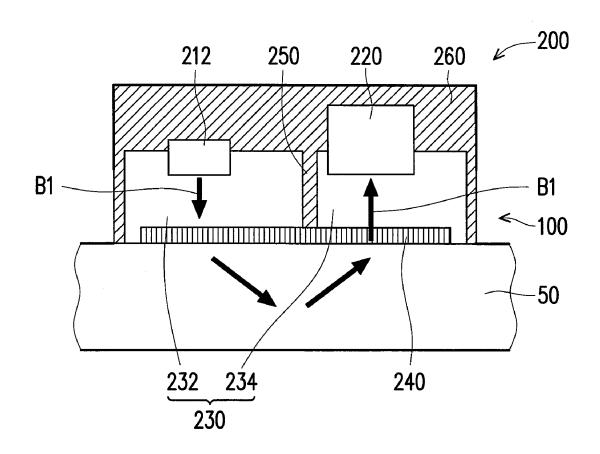
Jul. 30, 2013 (TW) 102127307

Publication Classification

(51) **Int. Cl. A61B 5/1455** (2006.01)

(57) ABSTRACT

A detecting device includes at least one detecting module. In the detecting module, a light source unit is configured to emit a first beam and a second beam. The wavelength of the first beam is different from that of the second beam. A packaging unit is disposed on the light source unit and a light detecting unit and on transmission paths of the first beam and the second beam from the light source unit. An optical microstructure unit is disposed on the transmission paths of the first beam and the second beam emitted from the light source unit pass through the packaging unit to pass the optical microstructure unit to be transmitted to a biological tissue, and then pass through the optical microstructure unit to be transmitted to the light detecting unit in sequence.





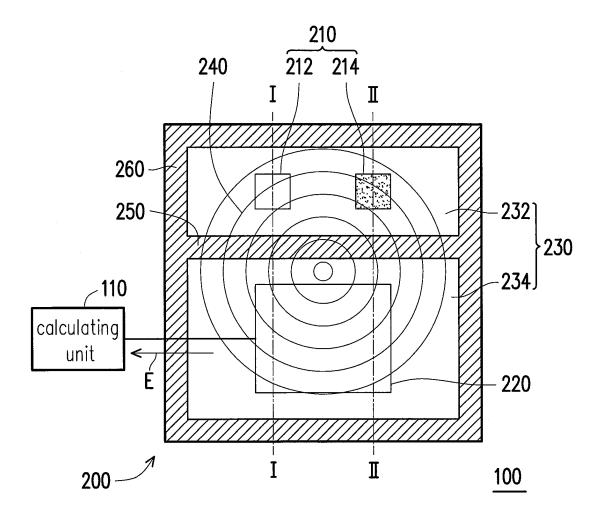


FIG. 1A



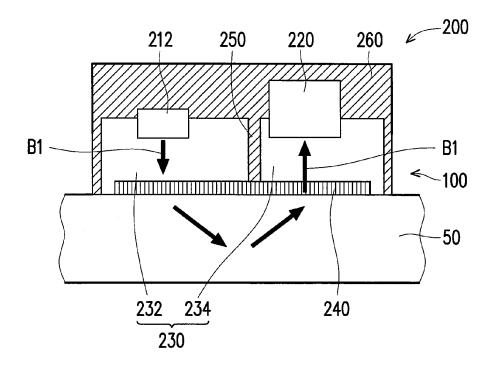


FIG. 1B

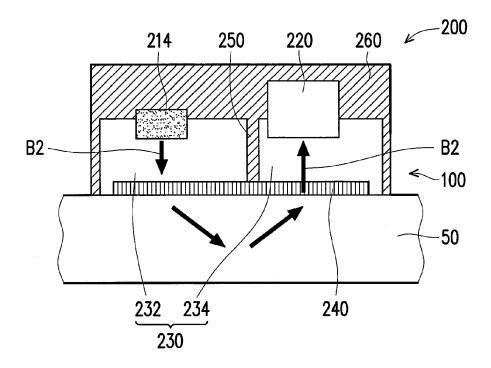


FIG. 1C



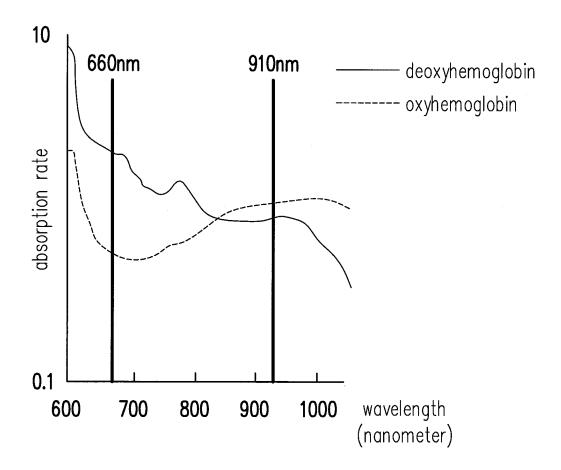


FIG. 2

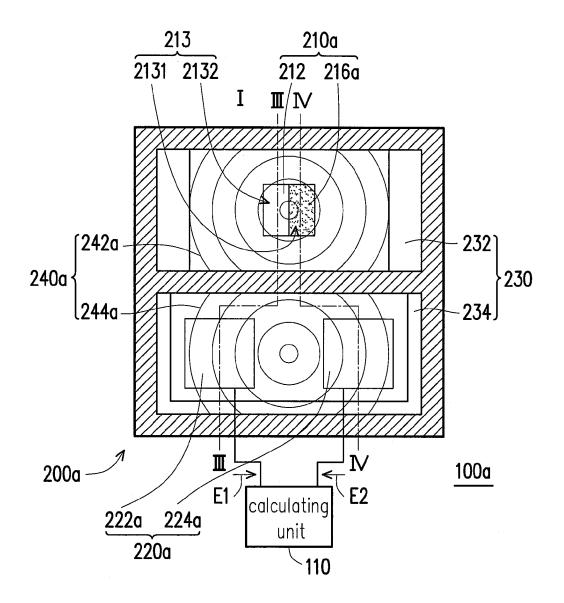


FIG. 3A



DOCKET

Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

